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OM protein - protein search, using sw model

Run on: August 28, 2002, 17:39:04 ; Search time 79.38 Seconds  
(without alignments)  
759.267 Million cell updates/sec

Title: US-09-502-984B-37  
Perfect score: 1284  
Sequence: 1 KFEKKAALLAARPEELLCF.....RKNERLEBEVERLKQVGER 249

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 747981 seqs, 242050750 residues

Total number of hits satisfying chosen parameters: 747981

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/1/paa/PCT\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/1/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score  | Query Match | Length | ID                   | Description        |
|------------|--------|-------------|--------|----------------------|--------------------|
| 1          | 1284   | 100.0       | 249    | US-09-502-984B-37    | Sequence 37, Appl  |
| 2          | 1098   | 85.5        | 211    | US-09-502-984B-6     | Sequence 6, Appl   |
| 3          | 1080   | 84.1        | 211    | US-09-502-984B-5     | Sequence 5, Appl   |
| 4          | 1078   | 84.0        | 211    | US-09-502-984B-4     | Sequence 4, Appl   |
| 5          | 1075   | 83.7        | 211    | US-09-502-984B-9     | Sequence 9, Appl   |
| 6          | 1073   | 83.6        | 211    | US-09-502-984B-13    | Sequence 13, Appl  |
| 7          | 1073   | 83.6        | 211    | US-09-502-984B-14    | Sequence 14, Appl  |
| 8          | 1073   | 83.6        | 211    | US-09-502-984B-15    | Sequence 15, Appl  |
| 9          | 1070   | 83.3        | 211    | US-09-502-984B-7     | Sequence 7, Appl   |
| 10         | 1070   | 83.3        | 211    | US-09-502-984B-17    | Sequence 17, Appl  |
| 11         | 1066   | 83.0        | 211    | US-09-502-984B-16    | Sequence 16, Appl  |
| 12         | 1064   | 82.9        | 211    | US-09-502-984B-11    | Sequence 11, Appl  |
| 13         | 1061   | 82.6        | 211    | US-09-502-984B-12    | Sequence 12, Appl  |
| 14         | 1060   | 82.6        | 211    | US-09-502-984B-10    | Sequence 10, Appl  |
| 15         | 1060   | 82.6        | 211    | US-09-791-537-86927  | Sequence 10, Appl  |
| 16         | 1060   | 82.6        | 211    | US-09-791-537-67289  | Sequence 67289, A  |
| 17         | 1060   | 82.6        | 213    | US-09-791-537-105911 | Sequence 105911, A |
| 18         | 1060   | 82.6        | 215    | US-09-791-537-105911 | Sequence 105911, A |
| 19         | 1060   | 82.6        | 225    | US-09-502-984B-1     | Sequence 1, Appl   |
| 20         | 1060   | 82.6        | 508    | US-09-791-537-99806  | Sequence 99806, A  |
| 21         | 1059.5 | 82.5        | 212    | US-09-502-984B-3     | Sequence 3, Appl   |
| 22         | 1053   | 82.0        | 211    | US-09-502-984B-8     | Sequence 8, Appl   |
| 23         | 1048   | 81.6        | 211    | US-09-502-984B-18    | Sequence 18, Appl  |
| 24         | 1043   | 81.2        | 227    | US-09-791-537-68105  | Sequence 68105, A  |
| 25         | 1039   | 81.2        | 228    | US-09-791-537-38134  | Sequence 38134, A  |
| 26         | 1039   | 80.9        | 211    | US-09-502-984B-19    | Sequence 19, Appl  |

|    |       |      |     |                      |                    |
|----|-------|------|-----|----------------------|--------------------|
| 27 | 1034  | 80.5 | 211 | US-09-502-984B-20    | Sequence 20, Appl  |
| 28 | 1025  | 79.8 | 211 | US-09-502-984B-21    | Sequence 21, Appl  |
| 29 | 1025  | 79.8 | 211 | US-09-502-984B-24    | Sequence 24, Appl  |
| 30 | 1024  | 79.8 | 211 | US-09-502-984B-25    | Sequence 25, Appl  |
| 31 | 1022  | 79.6 | 211 | US-09-502-984B-23    | Sequence 23, Appl  |
| 32 | 1020  | 79.4 | 211 | US-09-502-984B-22    | Sequence 22, Appl  |
| 33 | 1020  | 79.4 | 211 | US-09-502-984B-26    | Sequence 26, Appl  |
| 34 | 1019  | 79.4 | 211 | US-09-502-984B-28    | Sequence 28, Appl  |
| 35 | 1009  | 78.6 | 211 | US-09-502-984B-27    | Sequence 27, Appl  |
| 36 | 997   | 77.6 | 211 | US-09-502-984B-29    | Sequence 29, Appl  |
| 37 | 888   | 69.2 | 316 | US-09-791-537-55613  | Sequence 55613, A  |
| 38 | 877.5 | 68.3 | 507 | US-09-791-537-9845   | Sequence 9845, Ap  |
| 39 | 875.5 | 68.2 | 265 | US-09-791-537-4913   | Sequence 4913, Ap  |
| 40 | 869.5 | 67.7 | 507 | US-09-791-537-1440   | Sequence 1440, Ap  |
| 41 | 869.5 | 67.7 | 507 | US-09-791-537-126514 | Sequence 126514, A |
| 42 | 782   | 60.9 | 229 | US-09-791-537-40030  | Sequence 40030, A  |
| 43 | 778   | 60.6 | 229 | US-09-791-537-40031  | Sequence 40031, A  |
| 44 | 171   | 13.3 | 625 | US-09-791-537-895-34 | Sequence 34, Appl  |
| 45 | 168   | 13.1 | 56  | US-10-206-002-710    | Sequence 710, Appl |

## ALIGNMENTS

RESULT 1  
US-09-502-984B-37  
Sequence 37, Application US/09502984B  
GENERAL INFORMATION:  
APPLICANT: Luo, Peizhi  
TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY  
FILE REFERENCE: A-68126-1/RET/RMS/RMK  
CURRENT APPLICATION NUMBER: US/09/502,984B  
CURRENT FILING DATE: 2000-02-11  
PRIOR APPLICATION NUMBER: 60/120,009  
PRIOR FILING DATE: 1999-02-11  
PRIOR APPLICATION NUMBER: 60/131,674  
PRIOR FILING DATE: 1999-04-29  
NUMBER OF SEQ ID NOS: 37  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 37  
LENGTH: 249  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-09-502-984B-37

Query Match 100.0%; Score 1284; DB 5; Length 249;  
Best local Similarity 100.0%; Pred. No. 1.4e-108;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 KFEKKAALLAARPEELLCFTEKLELVCFEEAASAGVGPGRFSTFOLEDEPKICRL 60  
1 KFEKKAALLAARPEELLCFTEKLELVCFEEAASAGVGPGRFSTFOLEDEPKICRL 60  
DB 1 KFEKKAALLAARPEELLCFTEKLELVCFEEAASAGVGPGRFSTFOLEDEPKICRL 60  
QY 61 HOAPTAGATRFQCSLPTADTSSFVPLELRLTFAASGAPRHRVTHINEVLLDAPGLVA 120  
61 HOAPTAGATRFQCSLPTADTSSFVPLELRLTFAASGAPRHRVTHINEVLLDAPGLVA 120  
DB 61 HOAPTAGATRFQCSLPTADTSSFVPLELRLTFAASGAPRHRVTHINEVLLDAPGLVA 120  
QY 121 RLADSGHVYIRMLPPETPMTSHIRELIDISANGAGSVQVVELLEGRTCVLSNLGR 180  
121 RLADSGHVYIRMLPPETPMTSHIRELIDISANGAGSVQVVELLEGRTCVLSNLGR 180  
DB 121 RLADSGHVYIRMLPPETPMTSHIRELIDISANGAGSVQVVELLEGRTCVLSNLGR 180  
QY 181 TRTTIVRAMAPBSFGGFSANSEPVSLTTGGGSGMELEKQVLELKKNRLEEEVE 240  
181 TRTTIVRAMAPBSFGGFSANSEPVSLTTGGGSGMELEKQVLELKKNRLEEEVE 240  
DB 181 TRTTIVRAMAPBSFGGFSANSEPVSLTTGGGSGMELEKQVLELKKNRLEEEVE 240  
QY 241 RLKQVGER 249  
241 RLKQVGER 249  
DB 241 RLKQVGER 249

RESULT 2  
US-09-502-984B-6  
; Sequence 6, Application US/09502984B  
; GENERAL INFORMATION:  
; APPLICANT: Luo, Peizhi  
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY  
; FILE REFERENCE: A-68126-1/RT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/09/502, 984B  
; CURRENT FILING DATE: 2000-02-11  
; PRIOR APPLICATION NUMBER: 60/120, 009  
; PRIOR FILING DATE: 1999-02-11  
; PRIOR APPLICATION NUMBER: 60/131, 674  
; PRIOR FILING DATE: 1999-04-29  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 211  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-502-984B-6

Query Match 85.5%; Score 1098; DB 5; Length 211;  
Best Local Similarity 100.0%; Pred. No. 8.7e-92;  
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 KFSKALLAARGPEELCTERLEDVCFEEAASAGVPGNFSFQLEDEPMKLCRL 60  
DB 1 KFSKALLAARGPEELCTERLEDVCFEEAASAGVPGNFSFQLEDEPMKLCRL 60  
QY 61 HOAPTARGAIRFCWSLPTADTSSFVPLELRITAASGAPRHRVYIHINEVYLLDAPVGLVA 120  
DB 61 HOAPTARGAIRFCWSLPTADTSSFVPLELRITAASGAPRHRVYIHINEVYLLDAPVGLVA 120  
QY 121 RLADSGHVYIRWLPPETPMTSHIRELDISGNGAGSVQVRELLGRTCYLSNLGR 180  
DB 121 RLADSGHVYIRWLPPETPMTSHIRELDISGNGAGSVQVRELLGRTCYLSNLGR 180  
QY 181 TRITIAVRAMAPESFGFWSAMSEPSYSLT 211  
DB 181 TRITIAVRAMAPESFGFWSAMSEPSYSLT 211

RESULT 3  
US-09-502-984B-5  
; Sequence 5, Application US/09502984B  
; GENERAL INFORMATION:  
; APPLICANT: Luo, Peizhi  
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY  
; FILE REFERENCE: A-68126-1/RT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/09/502, 984B  
; CURRENT FILING DATE: 2000-02-11  
; PRIOR APPLICATION NUMBER: 60/120, 009  
; PRIOR FILING DATE: 1999-02-11  
; PRIOR APPLICATION NUMBER: 60/131, 674  
; PRIOR FILING DATE: 1999-04-29  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 211  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-502-984B-5

Query Match 84.1%; Score 1080; DB 5; Length 211;  
Best Local Similarity 97.2%; Pred. No. 3.8e-90;  
Matches 205; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 KFSKALLAARGPEELCTERLEDVCFEEAASAGVPGNFSFQLEDEPMKLCRL 60  
DB 1 KFSKALLAARGPEELCTERLEDVCFEEAASAGVPGNFSFQLEDEPMKLCRL 60  
QY 61 HOAPTARGAIRFCWSLPTADTSSFVPLELRITAASGAPRHRVYIHINEVYLLDAPVGLVA 120  
DB 61 HOAPTARGAIRFCWSLPTADTSSFVPLELRITAASGAPRHRVYIHINEVYLLDAPVGLVA 120  
QY 121 RLADSGHVYIRWLPPETPMTSHIRELDISGNGAGSVQVRELLGRTCYLSNLGR 180  
DB 121 RLADSGHVYIRWLPPETPMTSHIRELDISGNGAGSVQVRELLGRTCYLSNLGR 180  
QY 181 TRITIAVRAMAPESFGFWSAMSEPSYSLT 211  
DB 181 TRITIAVRAMAPESFGFWSAMSEPSYSLT 211

RESULT 4  
US-09-502-984B-4  
; Sequence 4, Application US/09502984B  
; GENERAL INFORMATION:  
; APPLICANT: Luo, Peizhi  
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY  
; FILE REFERENCE: A-68126-1/RT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/09/502, 984B  
; CURRENT FILING DATE: 2000-02-11  
; PRIOR APPLICATION NUMBER: 60/120, 009  
; PRIOR FILING DATE: 1999-02-11  
; PRIOR APPLICATION NUMBER: 60/131, 674  
; PRIOR FILING DATE: 1999-04-29  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 211  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC  
US-09-502-984B-4

Query Match 84.0%; Score 1078; DB 5; Length 211;  
Best Local Similarity 96.7%; Pred. No. 5.7e-90;  
Matches 204; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1 KFSKALLAARGPEELCTERLEDVCFEEAASAGVPGNFSFQLEDEPMKLCRL 60  
DB 1 KFSKALLAARGPEELCTERLEDVCFEEAASAGVPGNFSFQLEDEPMKLCRL 60  
QY 61 HOAPTARGAIRFCWSLPTADTSSFVPLELRITAASGAPRHRVYIHINEVYLLDAPVGLVA 120  
DB 61 HOAPTARGAIRFCWSLPTADTSSFVPLELRITAASGAPRHRVYIHINEVYLLDAPVGLVA 120  
QY 121 RLADSGHVYIRWLPPETPMTSHIRELDISGNGAGSVQVRELLGRTCYLSNLGR 180  
DB 121 RLADSGHVYIRWLPPETPMTSHIRELDISGNGAGSVQVRELLGRTCYLSNLGR 180  
QY 181 TRITIAVRAMAPESFGFWSAMSEPSYSLT 211  
DB 181 TRITIAVRAMAPESFGFWSAMSEPSYSLT 211

RESULT 5  
US-09-502-984B-9  
; Sequence 9, Application US/09502984B  
; GENERAL INFORMATION:  
; APPLICANT: Luo, Peizhi  
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY  
; FILE REFERENCE: A-68126-1/RT/RMS/RMK  
; CURRENT APPLICATION NUMBER: US/09/502, 984B  
; CURRENT FILING DATE: 2000-02-11  
; PRIOR APPLICATION NUMBER: 60/120, 009  
; PRIOR FILING DATE: 1999-02-11

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; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-9
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Query Match      83.7%; Score 1075; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 1.6e-89;
Matches 203; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
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QY 1 KESKAALLAARGPEELLCFTEERLEDVCFEEBAASAGVGPNGFSFQLEDEPMKLCRL 60
    |||
DB 1 KESKAALLAARGPEELLCFTEERLEDVCFEEBAASAGVGPNGFSFQLEDEPMKLCRL 60
    |||
QY 61 HOAPTAGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRYIHINEVYLLDAPYGLVA 120
    |||
DB 61 HOAPTAGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRYIHINEVYLLDAPYGLVA 120
    |||
QY 121 RLADSGHVIVIRWLPPEPTPMTSHIRFELDISAGNGAGSVORVELLEGRTCVLSNLRGR 180
    |||
DB 121 RLADSGHVIVIRWLPPEPTPMTSHIRFELDISAGNGAGSVORVELLEGRTCVLSNLRGR 180
    |||
QY 181 TRTTAVRARMAEPSPGFGWSAMSEPVSLLT 211
    |||
DB 181 TRTTAVRARMAEPSPGFGWSAMSEPVSLLT 211
    |||
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RESULT 6
US-09-502-984B-13
; Sequence 13, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-13
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Query Match      83.6%; Score 1073; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 1.6e-89;
Matches 203; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

QY 1 KESKAALLAARGPEELLCFTEERLEDVCFEEBAASAGVGPNGFSFQLEDEPMKLCRL 60
    |||
DB 1 KESKAALLAARGPEELLCFTEERLEDVCFEEBAASAGVGPNGFSFQLEDEPMKLCRL 60
    |||
QY 61 HOAPTAGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRYIHINEVYLLDAPYGLVA 120
    |||
DB 61 HOAPTAGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRYIHINEVYLLDAPYGLVA 120
    |||
QY 121 RLADSGHVIVIRWLPPEPTPMTSHIRFELDISAGNGAGSVORVELLEGRTCVLSNLRGR 180
    |||
DB 121 RLADSGHVIVIRWLPPEPTPMTSHIRFELDISAGNGAGSVORVELLEGRTCVLSNLRGR 180
    |||
```

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QY 181 TRTTAVRARMAEPSPGFGWSAMSEPVSLLT 211
    |||
DB 181 TRTTAVRARMAEPSPGFGWSAMSEPVSLLT 211
    |||
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RESULT 7
US-09-502-984B-14
; Sequence 14, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-14
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Query Match      83.6%; Score 1073; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 1.6e-89;
Matches 203; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
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QY 1 KESKAALLAARGPEELLCFTEERLEDVCFEEBAASAGVGPNGFSFQLEDEPMKLCRL 60
    |||
DB 1 KESKAALLAARGPEELLCFTEERLEDVCFEEBAASAGVGPNGFSFQLEDEPMKLCRL 60
    |||
QY 61 HOAPTAGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRYIHINEVYLLDAPYGLVA 120
    |||
DB 61 HOAPTAGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRYIHINEVYLLDAPYGLVA 120
    |||
QY 121 RLADSGHVIVIRWLPPEPTPMTSHIRFELDISAGNGAGSVORVELLEGRTCVLSNLRGR 180
    |||
DB 121 RLADSGHVIVIRWLPPEPTPMTSHIRFELDISAGNGAGSVORVELLEGRTCVLSNLRGR 180
    |||
QY 181 TRTTAVRARMAEPSPGFGWSAMSEPVSLLT 211
    |||
DB 181 TRTTAVRARMAEPSPGFGWSAMSEPVSLLT 211
    |||
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RESULT 8
US-09-502-984B-15
; Sequence 15, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-15
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US-09-502-984B-10
: Sequence 10. Application US/09502984B
: GENERAL INFORMATION:
: APPLICANT: Lno, peizhi
: TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
: FILE REFERENCE: A-68126-1/RTY/RMS/RMK
: CURRENT APPLICATION NUMBER: US/09/502,984B
: CURRENT FILING DATE: 2000-02-11
: PRIOR APPLICATION NUMBER: 60/120, 009
: PRIOR FILING DATE: 1999-02-11
: PRIOR APPLICATION NUMBER: 60/131,674
: PRIOR FILING DATE: 1999-04-29
: NUMBER OF SEQ ID NOS: 37
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 10
: LENGTH: 211
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-10

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|    | Query Match | Best Local Similarity  | Matches | 82.6%<br>Conservative | Score 1060;<br>Pred. No. 2.5e-88; | DB 5<br>Indels | length 211;<br>Gaps |  |
|----|-------------|--|---------|-----------------------|-----------------------------------|----------------|---------------------|--|
| Oy | 1           | KFESKAALLAARGPELLCTFERLEDVLCFFEEASAGVPGNFSFSFOLEDEPMKRL      | 60      |                       |                                   |                |                     |  |
| Db | 1           | KFESKAALLAARGPELLCTFERLEDVLCFFEEASAGVPGNPYSYOLEDEPMKRL       | 60      |                       |                                   |                |                     |  |
| Oy | 61          | HOAPRARGAIRWCSLPTADTSSFPDLERLTLAAAGAPRFHHVIHNEVLLDAPGLVA     | 120     |                       |                                   |                |                     |  |
| Db | 61          | HOAPRARGAIRWCSLPTADTSSFPDLERLRYLAASGAPRYHHVIHNEVLLDAPGLVA    | 120     |                       |                                   |                |                     |  |
| Oy | 121         | RLADESGHVIRIWLDPPEPMTSHIRFELDISAGNGAGSVQRVELLEGRTCEVLSTNLGR  | 180     |                       |                                   |                |                     |  |
| Db | 121         | RLADESGHVIRIWLDPPEPMTSHIRFELIDISAGNGAGSVQRIEILEGRTCEVLSTNLGR | 180     |                       |                                   |                |                     |  |
| Oy | 181         | TTRITAVARRMAEPSEFGGFWMSAMSPVSLTT                             | 211     |                       |                                   |                |                     |  |
| Db | 181         | TRETVAVARRMAEPSFGGFWMSAMSEVSLSLT                             | 211     |                       |                                   |                |                     |  |

Search completed: August 28, 2002, 17:39:04  
Job time: 550 sec